

Daily Analysis Runlog For Sequence/QC Batch ID # LB93012

Review By

Review On

SubDirectory

LB93012

Test :

Cyanide

STD. NAME		STD REF.#				
ICAL Standard		WP61424,WP61425,WP61426,WP61427,WP61428,WP61429,WP61430				
ICV Standard		W1541				
CCV Standard		WP61431				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61433,WP59958,WP60878				

Sr#	SampleID	ClientID	QcType	Date	Comment	Status
1	0.0PPBCN	0.0PPBCN	CAL1	01/30/18 12:44		OK
2	5.0PPBCN	5.0PPBCN	CAL2	01/30/18 12:44		OK
3	10PPBCN	10PPBCN	CAL3	01/30/18 12:44		OK
4	50PPBCN	50PPBCN	CAL4	01/30/18 12:44		OK
5	100PPBCN	100PPBCN	CAL5	01/30/18 12:44		OK
6	250PPBCN	250PPBCN	CAL6	01/30/18 12:44		OK
7	500PPBCN	500PPBCN	CAL7	01/30/18 12:44		OK
8	ICV1	ICV1	ICV	01/30/18 16:08		OK
9	ICB1	ICB1	ICB	01/30/18 16:08		OK
10	CCV1	CCV1	CCV	01/30/18 16:08		OK
11	CCB1	CCB1	CCB	01/30/18 16:08		OK
12	PB106172BL	PB106172BL	MB	01/30/18 16:08		OK
13	PB106172BS	PB106172BS	LCS	01/30/18 16:08		OK
14	J1019-11	EO-03-012918-A	SAM	01/30/18 16:08		OK
15	J1019-11DUP	EO-03-012918-ADUP	DUP	01/30/18 16:16		OK
16	J1019-11MS	EO-03-012918-AMS	MS	01/30/18 16:16		OK
17	J1019-11MSD	EO-03-012918-AMSD	MSD	01/30/18 16:16		OK
18	J1019-13	EO-03-012918-B	SAM	01/30/18 16:16		OK
19	J1360-01	SPRING-101	SAM	01/30/18 16:16		OK
20	J1361-01	OILY-STONE	SAM	01/30/18 16:16		OK
21	J1362-01	WC-1-COMP	SAM	01/30/18 16:16		OK

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

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ICV Standard		W1541				
CCV Standard		WP61431				
ICSA Standard		N/A				
CRI Standard		N/A				
LCS Standard		WP58910				
Chk Standard		WP61433,WP59958,WP60878				
22	CCV2	CCV2	CCV	01/30/18 16:16		OK
23	CCB2	CCB2	CCB	01/30/18 16:16		OK
24	J1362-03	WC-2-COMP	SAM	01/30/18 16:16		OK
25	J1362-05	WC-3-COMP	SAM	01/30/18 16:16		OK
26	LOWPB106172	LOWPB106172	SAM	01/30/18 16:21		OK
27	HIGHPB106172	HIGHPB106172	SAM	01/30/18 16:21		OK
28	CCV3	CCV3	CCV	01/30/18 16:21		OK
29	CCB3	CCB3	CCB	01/30/18 16:21		OK



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Report of Analysis

Client:		Date Collected:	
Project:	LB93012	Date Received:	
Client Sample ID:	HIGHPB106172	SDG No.:	LB93012
Lab Sample ID:	HIGHPB106172	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.52	OR	1	0.003		0.005	mg/L		01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	EO-03-012918-A	SDG No.:	LB93012
Lab Sample ID:	J1019-11	Matrix:	Solid
Level (low/med):	low	% Solid:	89

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.13	J	1	0.036		0.28	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	EO-03-012918-B	SDG No.:	LB93012
Lab Sample ID:	J1019-13	Matrix:	Solid
Level (low/med):	low	% Solid:	88.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.15	J	1	0.036		0.27	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/25/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/26/2018 12:00:00 AM
Client Sample ID:	SPRING-101	SDG No.:	LB93012
Lab Sample ID:	J1360-01	Matrix:	Solid
Level (low/med):	low	% Solid:	68.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.12	J	1	0.047		0.36	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	LB93012
Lab Sample ID:	J1361-01	Matrix:	Solid
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	4.9		1	0.032		0.24	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	WC-1-COMP	SDG No.:	LB93012
Lab Sample ID:	J1362-01	Matrix:	Solid
Level (low/med):	low	% Solid:	88.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.33		1	0.036		0.27	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	WC-2-COMP	SDG No.:	LB93012
Lab Sample ID:	J1362-03	Matrix:	Solid
Level (low/med):	low	% Solid:	89.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.28		1	0.037		0.28	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	1/29/2018 12:00:00 AM
Project:	LB93012	Date Received:	1/29/2018 12:00:00 AM
Client Sample ID:	WC-3-COMP	SDG No.:	LB93012
Lab Sample ID:	J1362-05	Matrix:	Solid
Level (low/med):	low	% Solid:	91.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.17	J	1	0.035		0.27	mg/Kg	01/30/2018	01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93012	Date Received:	
Client Sample ID:	LOWPB106172	SDG No.:	LB93012
Lab Sample ID:	LOWPB106172	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
57-12-5	Cyanide	0.011		1	0.003		0.005	mg/L		01/30/2018	9012B



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Report of Analysis

Client:		Date Collected:	
Project:	LB93012	Date Received:	
Client Sample ID:	LOWPB106172	SDG No.:	LB93012
Lab Sample ID:	LOWPB106172	Matrix:	WATER
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOD	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
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Color Before:	Clarity Before:	Texture:
Color After:	Clarity After:	Artifacts:
Comments:		

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N = Spiked sample recovery not within control limits



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93012

SDG No.: LB93012

Contract: _____

Lab Code: CHEM

Case No.: LB93012

SAS No.: LB93012

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV1	Cyanide	0.1	0.099	101		85 - 115		01/30/2018	16:08	LB93012



GENCHEM

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: LB93012

SDG No.: LB93012

Contract: _____ Lab Code: CHEM

Case No.: LB93012

SAS No.: LB93012

Initial Calibration Source: _____

Continuing Calibration Source: _____

Sample ID	Analyte	Result mg/L	True Value	% Recovery	Qual	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV1	Cyanide	0.25	0.25	100		90 - 110		01/30/2018	16:08	LB93012
CCV2	Cyanide	0.26	0.25	104		90 - 110		01/30/2018	16:16	LB93012
CCV3	Cyanide	0.26	0.25	104		90 - 110		01/30/2018	16:21	LB93012



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93012 **SDG No.:** LB93012
Contract: **Lab Code:** CHEM **Case No.:** LB93012 **SAS No.:** LB93012

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB1	Cyanide	0.0008	+/-0.005	U		0.005		01/30/2018	16:08	LB93012



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93012

SDG No.: LB93012

Contract:

Lab Code: CHEM

Case No.: LB93012

SAS No.: LB93012

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB1	Cyanide	0.00044	+/-0.005	U		0.005		01/30/2018	16:08	LB93012
CCB2	Cyanide	0.00088	+/-0.005	U		0.005		01/30/2018	16:16	LB93012
CCB3	Cyanide	0.00049	+/-0.005	U		0.005		01/30/2018	16:21	LB93012



GENCHEM

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: LB93012

SDG No.: LB93012

Contract: Lab Code: CHEM

Case No.: LB93012

SAS No.: LB93012

Sample ID	Analyte	Result mg/L	Acceptance Limit	Conc Qual	LOD	CRQL	M	Analysis Date	Analysis Time	Run Number
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GENCHEM
- 3b -
PREPARATION BLANK SUMMARY

Client: LB93012

SDG No.: LB93012

Instrument: Konelab 20

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	LOD mg/Kg	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB106172BL		SOLID		Batch Number:		PB106172		Prep Date:	01/30/2018	
	Cyanide	0.025	<0.25	U		0.25		01/30/2018	16:08	LB93012



GENCHEM
- 5a -
MATRIX SPIKE SUMMARY

client: LB93012 level: low sdg no.: LB93012
contract: lab code: CHEM case no.: LB93012 sas no.: LB93012
matrix: Solid sample id: J1019-11 client id: EO-03-012918-AMS
Percent Solids for Sample: 89 Spiked ID: J1019-11MS Percent Solids for Spike Sample: 89

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2		0.13	J	2.1	89		



GENCHEM
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: LB93012 level: low sdg no.: LB93012
contract: lab code: CHEM case no.: LB93012 sas no.: LB93012
matrix: Solid sample id: J1019-11 client id: EO-03-012918-AMSD
Percent Solids for Sample: 89 Spiked ID: J1019-11MSD Percent Solids for Spike Sample: 89

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Cyanide	mg/Kg	75 - 125	2.1		0.13	J	2.2	90		

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DUPLICATE SAMPLE SUMMARY

Client: LB93012 **Level:** LOW **SDG No.:** LB93012
Contract: **Lab Code:** CHEM **Case No.:** LB93012 **SAS No.:** LB93012
Matrix: Solid **Sample ID:** J1019-11 **Client ID:** EO-03-012918-ADUP
Percent Solids for Sample: 89 **Duplicate ID** J1019-11DUP **Percent Solids for Spike Sample:** 89

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	0.13	J	0.13	J	0		

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DUPLICATE SAMPLE SUMMARY

Client: LB93012 **Level:** LOW **SDG No.:** LB93012
Contract: **Lab Code:** CHEM **Case No.:** LB93012 **SAS No.:** LB93012
Matrix: Solid **Sample ID:** J1019-11MS **Client ID:** EO-03-012918-AMSD
Percent Solids for Sample: 89 **Duplicate ID** J1019-11MSD **Percent Solids for Spike Sample:** 89

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Cyanide	mg/Kg	20	2		2.1		5		



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LABORATORY CONTROL SAMPLE SUMMARY

Client: LB93012

SDG No.: LB93012

Contract:

Lab Code: CHEM

Case No.: LB93012

SAS No.: LB93012

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB106172BS Cyanide	mg/Kg	4.8	4.9		102.1	85 - 115	